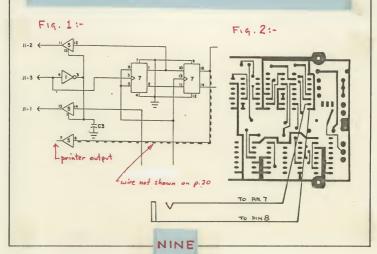
Volume TWO Number 2
December 22,1979

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Page 20 of Vol.1 has the schematic of the cassette interface, but it leaves out a bit of pertinent data which was included in the Hacker's Manual. The modified picture is shown in Fig 1 below. The missing piece of the page 20 diagram is the dotted line from pin 15 of IC 7 over to pin 6 of IC 5. There is no connection at the output pin 7 of IC 5 as constructed. This is the printer connection point.

Fig.2 is a part of the pc board shown in the Hacker's Manual, and shows exactly where the tap should be made to get the data line (pin ?) and the ground line (pin 8). The other end of the wires I soldered here went to the COMPRINT connector, to pins 3 and 7 respectively. The connector they use is an RS 232 type with 25 pins (looks like the hand controller connector, only bigger). I did have an intermediate connector using a miniature jack per the Manual suggestion.

To get the proper output from the Bally, the command \*PRINT must be used instead of :PRINT as when going to tape.



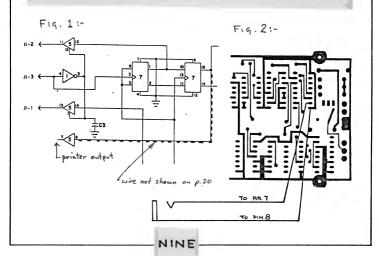
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CHECKERS II is an upgraded version of the previous game by John Collins and I think we have it bug-free this time. It includes some enhancements suggested by subscribers in comments to version I, and it operates somewhat faster than before. Bill Templeton checked it out for me, and suggested the following color addition-FC=107; &(9)=17; &(0)=7; &(1)=7; &(2)=8; &(3)=8

BIORYTHM has the following preface: After inputting the requested dates, the machine will do a few internal operations and finally three numbers will appear on the screen. The older you are, the longer it takes. These numbers are factors for the desired year. You will be asked for a specific month and day - input as before. After a brief time a graph will be displayed. The vertical line corresponds to the day requested, to index the three cycles. After a long count, the computer will tell you how many days you have lived.

ATTACK This is a game of CHASE. The object is to maneuver yourself into a position where all five attackers destroy themselves by smashing into walls in the process of chasing you.

Number of walls must be entered at the start of the game. Joystick #1 and Trigger #1 are the only controls used. The joystick changes your position to the corresponding direction. The trigger is used to start the game and also to hold your current position.

MANUAL ASSEMBLER is an interesting program which I do not understand. It pokes in characters and then prints them out. Start pumping in the following sequence of numbers when the program starts asking "16385= " - 255 53 \$ 76 8 64 these will call subroutine 52 and load up the initial conditions. then when 16392 shows up, the program is asking for the characters to be printed. If you insert the following, you will see our old familiar ARCADIAN - 65 82 67 65 68 73 65 78 0 0 for This is something for the more advanced subscriber to play with ...

```
1 .MANUAL ASSEMBLER
```

<sup>2 .</sup> R.BRADDAM

з.

<sup>4.</sup> 

<sup>5</sup> 

<sup>10</sup> CLEAR

<sup>20 @(0)=243;</sup>B=1

<sup>30</sup> PRINT #1,16384+B, "=",; INPUT ""@(B)

<sup>40</sup> IF @(B)(256 B=B+1:GOTO 30

<sup>50 @(</sup>B)=118

<sup>60</sup> C=B

<sup>70</sup> INPUT "START RECORDER, WAIT 3 OR 4 SECONDS, THEN ENTER ANY NUMBER AND PRESS GO. "W 80 : PRINT

<sup>90</sup> FOR B=0TO C

<sup>100</sup> TU=@(B); FOR D=1TO B; NEXT D

<sup>110</sup> NEXT B

<sup>120</sup> FOR B=CTO 128; TU=118; FOR D=1TO 8; NEXT D; NEXT B

<sup>130 :</sup> RETURN ; STOP

CHECKERS II is an upgraded version of the previous game by John Collins and I think we have it bug-free this time. It includes some enhancements suggested by subscribers in comments to version I, and it operates somewhat faster than before. Eall Templeton checked it out for me, and suggested the following color addition-FC=107;&(9)=17;&(0)=7;&(1)=7;&(2)=8;&(3)=8

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- 1 .MANUAL ASSEMBLER 2 . R.BRADDAM
- 3 .
- 5 .
- 10 CLEAR
- 20 @(0)=243;B=1
- 30 PRINT #1,16384+B, "=",;INPUT ""@(B)
- 40 IF @(B)<256 B=B+1;GOTO 30
- 50 @(B)=118
- 60 C=B
- 70 INPUT "START RECORDER, WAIT 3 OR 4 SECONDS, THEN ENTER ANY NUMBER AND PRESS GO."W
- 80 : PRINT
- 90 FOR B=0TO C
- 100 TV=@(B); FOR D=1TO 8; NEXT D
- 110 NEXT B
- 120 FOR B=CTO 128; TV=118; FOR D=1TO 8; NEXT D; NEXT B
- 130 : RETURN ; STOP

MY MEVORY ADDITION board is going into the design phase, with delivery scheduled for early next year, but knowing how things go, probably middle of next year. To keep my cost down, I won't get all the memory slots filled in. It'll accept my Jameco 610 keyboard, and other peripherals. Subscribers who have indicated interest in this board will find an added sheet with some details. You will receive this sheet if your address label has an AO printed on it or a blue dot.

S-100 BUS INTERFACE CARD A project is being considered that would allow us to tie the Bally to all the S-100-compatible peripherals. This card would have the Bally Bus on one edge and an S-100 Bus on another edge. The card would fit into an S-100 motherboard, and would have dual input capability, so that the Bally could be either master or slave. At the moment we are developing specifications.

EPROM BURNER is another scheme being worked on. It is currently being planned to be located on the S-100 board. With this device, we will have the capability to take a program and install it into a RCM, and then the RCM can be plugged into the front cartridge slot after mounting it on a suitable pc board.

WHAT DO YOU WANT? I would like to make a serious survey of the subscribers to find out what is needed/wanted and the demand for those things to see if any efforts would be warranted. I would like to receive a list of 'things' plus an indication from you if you are able to help in writing the specifications for those 'things' we come up with. 'Things' might be ... computer/computer interaction via telephone lines...or...radio code transmitting and receiving ... or...a self diagnostic cartridge...or... a method to generate and store characters...or...???

RF CABLE PATCH BOX is offerred by Video Cassette Rentals of 1841 E. Chapman, Torange CA 92667. This box is used to connect RF cables, such as antennas or TV recorders or games together. Those of you with multiple units might find these handy to cut the tangle of cables. They offer subscribers a 10% discount.

BALLY will be in Las Vegas during the Winter CES in January. They will have a suite at the Hilton and expect to show proposed game cartridges to their distributors/dealers. To be shown are Checkers, Dogatch, Riorythms (with Perpetual Calendar), and Chess. Industry-wide shortage of memory chips has been holding up deliveries of current games and will have some effect on the new ones. The scheduled decision on the production of the Add-On remains at late January.

RESEQUENCING ERROR has been pointed out... in part of line 20060, it should read FOR A= $_2$ 24574 TO A+1796-SZ

MANUAL HOLDERS might be interested to note that pages 135 thru 143 ("Electrical Specifications for Midway Custom Chips") originated at American Microsystems, Inc., makers of the custom chips.

```
1400 FOR X=910 11STEP 2:6=5+J5X;IF (@(G)=3+T)+(@(G)=3+T+T)G0T0 1440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2000 CLEAR ; FOR I=110 B; CY=40; CX=-6+1b10; PRINT #1, I,; NEXT I; FOR I=110 B; CX=-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BOX M,N,10,10,1;IF @(I)#3 J=ABS(@(I)-3)b3;BOX M,N,8,J,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2010 CY=-49+1b10;PRINT #1,1;NEXT I;FOR I=12TO 89;IF @(I)#0GOSUB 2020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FOR I=1TO 100; @(I)=0; NEXT I; FOR I=12TO 18STEP 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      @(I)=2;@(I+11)=2;@(I+20)=2;@(I+31)=3;@(I+40)=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            @(I+51)=4;@(I+60)=4;@(I+71)=4;NEXT I;A=67
                                                                                                                                                                                                                                                                                                                     NEXT X: IF (ABS(@(S)-3))=2IF J=T J=-T; GOTO 1400
                                                                                                                                                                                                                                                                                                                                                                    @(S)=@(R);@(R)=3;I=R;GOSUB 2020;I=S;GOSUB 2020
                                                                            L b means x
                                                                                                                       C means +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1700 INPUT * ROW M; INPUT * COL N; I = Mb 10+N+1; RETURN
1228 J=T;@(S)=@(R);@((S+R)c2)=3;@(R)=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IF @(I)>3BOX M,N,6,J-2,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CX=-71;CY=40;PRINT "FROM";GOSUB 1700;R=1;PRINT " TO";GOSUB 1700;S=I
                                                                                                                                                                                                                                                                                                R=S;S=G;X=11;NEXT X;GOTO 1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    M=-17+(I-(Ic10)b10)b10
                                                                                                                                                                                                                                                                          G=S+2bJbX;IF @(G)#3G0T0 15MM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GOSUB 2000; GOTO 50
                                                                                                                                                                                        NEXT U; FOR U=1T0 8; PRINT #1, U, ; FOR U=0T0 89; IF @(U) < 460T0 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N=-49+(Ic10)b10
                                                                                                                                                                                                                                                                                                                                              GOSUB ZBBB;GOTO 1618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NEXT I RETURN
                                                                                                                                                                                                                                                                                                                                                                                       IF T>01F S>80@(S)=1
                                                                                                                                                                                                                                                                                                                                                                                                             IF T(BIF S(20@(S)=5
                                                                                                                                                                                                                 FOR X=9T0 11STEP 2; FOR Q=1T0 -1STEP -2; IF @(U)=40=-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                  IF TYBGOTO SB
                                                                                                                                                                                                                                                                                                                                                                                                                                                           1648 T=1:GOTO 1888
                                                                                                                                                                                                                                                       GOTO 1588
                                                                                                                                                                   CX=-71; FOR U=ATO 89; IF @(U) < 460TO 55; A=U; U=B9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2030
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                                                         PRINT "(C)CHECKERS JOHN COLLINS"; GOTO 3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF (@(R)>2)+(@(R)=0)+(@(S)#3)GOTO 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              σ
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                                                                              R=U; Q=-1; X=11; U=89; T=-1; V=8; A=12
                                                                                                                                             GOSUB 2000; PRINT "KEY RUN ":STOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               @(U+F)=3IF @(U+C-F)=160T0 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 T>BIF @((S+R)c2)(460T0 1888
                                                                                                                       NEXT U; NEXT U; IF TK BGOTO 12BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ((S-R)b(S-R))(122G0T0 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5-5-2b(X-10); IF @(S)=360T0 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF @(U+F)<3IF @(U+C-F)=360T0
                                                                                                                                                                                                                                    B=QbX;S=U+B;IF @(S)=BGOTO 9
                                                                                                                                                                                                                                                                                  C=B+B;F=Qb20;Z=Ub100;GOTO Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IF @(U+C)-ØIF @(U)=460T0 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   @(R)#11F R>SGOTO 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                          IF @(U-C)>3 U=U-C; GOTO B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                S=U-B+F; IF @(S)=3G0T0 B
                                                                                                                                                                                                                                                                                                                                                                                                                     @(U-F)>3 U=U-F;GOTO
                                                                                                                                                                                                                                                          IF U>2IF @(S)#360T0 9
                                                                                                                                                                                                                                                                                                                                                                         5=U-B; IF @(S)#3G0T0 9
                                                                                                                                                                                                                                                                                                                                                                                               @(U-C+F)=2G0T0 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    L=1;IF @(U+C)<3G0T0 9
                                                                                                                                                                                                                                                                                                                                                   U=1 S=U+C; GOTO B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF L#ZIF D<3GOTO B
                                                                                                                                                                                                                                                                                                        @(U+C)#3G0T0 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF @(S-F)#1G0T0 9
                                                                                                                                                                                                                                                                                                                              @(S)>2G0T0 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF @(S)=360T0 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IF @(U)=560T0 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IF U=560T0 788
                                                                                                    NEXT Q:NEXT X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G0T0 538
                                   NGI IT 3G:
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arcadian
                  1488 FOR X=9TO 11STEP 2;G=S+JbX;IF (@(G)=3+T)+(@(G)=3+T+T)GOTO 1458
                                                                                                                                                                                                                                                                                                                                                                                                                                      2000 CLEAR ; FOR I=1TO 8; CY=40; CX=-6+1b10; PRINT #1, I,; NEXT I; FOR I=1TO 8; CX=-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BOX M,N,10,10,1;IF @(I)#3 J=ABS(@(I)-3)b3;BOX M,N,8,J,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                           2010 CY=-49+1b10;PRINT #1,1;NEXT I;FOR I=12T0 89;IF ⊕(I)#0GOSUB 2020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            @(I)=2; @(I+11)=2; @(I+20)=2; @(I+31)=3; @(I+40)=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FOR I=1TO 100;@(I)=0;NEXT I;FOR I=12TO 18STEP
                                                                          (multiply
                                                                                                        (divide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              @(I+51)=4;@(I+60)=4;@(I+71)=4;NEXT I;A=67
                                                                                                                                                                                                                                                                          NEXT X; IF (ABS(@(S)-3))=2IF J=-T; GOTO 1400
                                                                                                                                                                                                                                                                                                                @(S)=@(R);@(R)=3;I=R;GOSUB Z0Z0;I=S;GOSUB Z0Z0
                                                                       - b means
                                                                                                        C means
                                                                                                                                                                                                                                                                                                                                                                                                                   1700 INPUT * ROW M; INPUT " COL "N; I=Mb.10+N+1; RETURN
J=T;@(S)=@(R);@((S+R)c2)=3;@(R)=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF @(1)>3B0X M,N,6,J-2,3
                                                                                                                                                                                                                                                        R=5;S=6;X=11;NEXT X;GOTO 1228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          M=-17+(I-(Ic10)b10)b10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CX=-71;CY=40;PRINT "FROM";GOSUB 1700;R=I;PRINT " TO";GOSUB 1700;S=I
                                                                                                                                                                                                                                     G=S+2bJbX; IF @(G)#3GOTO 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GOSUB 2000; GOTO 50
                                                                                                                                                             NEXT U; FOR U=1TO 8; PRINT #1, U, ; FOR U=ATO 89; IF @(U) < 4GOTO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               N=-49+(Ic10)b10
                                                                                                                                                                                                                                                                                             GOSUB 2000;GOTO 1610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NEXT I:RETURN
                                                                                                                                                                                                                                                                                                                                  IF TYBIF SYBD@(S)=1
                                                                                                                                                                                                                                                                                                                                                       S<20e(5)=5
                                                                                                                                                                                  FOR X=9T0 11STEP 2; FOR Q=1T0 -1STEP -2; IF @(U)=4Q=-1
                                                                                                                                                                                                                                                                                                                                                                          IF TYRGOTO SR
                                                                                                                                                                                                                                                                                                                                                                                            1648 T=1;GOTO 1888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RETURN
                                                                                                                                                                                                                   GOTO 1500
                                                                                                                                           CX=-71;FOR U=ATO 89;IF @(U)<460TO 55;A=U;U=89
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3838
                                              PRINT "(C)CHECKERS_JOHN COLLINS"; GOTO 3000
  1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (@(R))2)+(@(R)=B)+(@(S)#3)G0T0 1BBB
                                                                                                 z
                                                                                                                                                                                                                                     1450
                                                                                                                                                                                                                                                          47B
                                                                                                                                                                                                                                                                             500
                                                                                                                                                                                                                                                                                               510
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                                                                                                                                                                                                                                                                                                                                                                          630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L=L+1;D=@(U+LbB);IF (D=0)+(D>3)GOT0 9
                                                                 R=U; Q=-1; X=11; U=89; T=-1; V=8; A=12
                                                                                                                        GOSUB ZØØØ; PRINT "KEY*RUN "; STOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYBIF @((S+R)c2)<460T0 1888
                                                                                                      U; IF TKØGOTO 1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ((S-R)b(S-R))(122GOTO 1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         @(S)=3GOTO B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF @(U+F)<3IF @(U+C-F)=3G0T0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         @(U+F)=3IF @(U+C-F)=1G0T0
                                                                                                                                                                                                     B=QbX;S=U+B;IF @(S)=ØGOTO 9
                                                                                                                                                                                                                                          C=B+B;F=Qb20;Z=Vb100;GOTO Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                @(U+C)=BIF @(U)=460T0 B
                                                                                                                                                                                                                                                                                                                                                         @(U-F)>3 U=U-F;GOTO B
                                                                                                                                                                                                                                                                                                                                                                            @(U-C)>3 U=U-C;60T0 B
                                                                                                                                                                                                                                                                                                                                                                                               S=U-B+F; IF @(S)=3G0T0 B-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    @(R)#11F R>SGOTO 1000
                                                                                                                                                                                                                     IF U>2IF @(S)#3G0T0 9
                                                                                                                                                                                                                                                                                                                    S=U-B; IF @(S)#360T0 9
                                                                                                                                                                                                                                                                                                                                       @(U-C+F)=260T0 26B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        L=1; IF @(U+C)<3G0T0 9
                                                                                                                                                                                                                                                                                                  U=1 S=U+C;GOTO B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IF L#2IF DK3GOTO 8
                                                                                                                                                                                                                                                          IF @(U+C)#3G0T0 9
                                                                                                                                                                                                                                                                                                                                                                                                                                      σ
                                                                                                                                                                                                                                                                                                                                                                                                                                      @(S-F)#1G0T0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S=S-2b(X-10); IF
                                                                                                                                                                                                                                                                                 @(S)>2G0T0 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                      @(S)=3G0T0 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF @(U)=560T0 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF U=5GOTO 7BB
                                                                                     NEXT Q;NEXT X
                              : RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                   GOTO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GOTO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GOTO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GOTO 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  010
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WELVE

arcadian													
b means x (multiply)	C med ns (d. v.)de)	LINES 1010-1250 CONTINUED ON P. SIXTEEN											
580 C=Ybl0+X 570 FOR A=ZTO U 580 IF C=\((A)\)6010 Z 590 NEXT A 606 FOR A=ZTO C 612 L=\((A)\)1F L(160TO 770 622 T=(L-1)\)0135=L-1b101\)0135=V-T 622 FOR B=ZTO G 624 IF A=BGOTO G 628	625 IF L=68100T0 626 628 IF L=68100T0 680 638 IF U-8660T0 680 658 IF U-8660T0 680 659 IF U/86=5.1 670 IF U/87=1.1 770 I	960 PRINT "YOU ZAPPED YOURSELF" 970 6010 1080 980 FC=82 990 PRINT "YOU ARE ZAPPED" 980 NT=2:FOR A=1T0 15;X=FC;FC=BC;BC=X											
2 .ATTACK 3 .BY CARL MORIMOTO 4 .10 :RETURN 10 :RETURN 110 P=20;0=10;CX=P-21;CY=0 120 Z=90 140 MT=4;REMT OFTACK:NT=0	150 CX651CA-32;1NPU   ** WALLS (1-20)***   150 CX651CA-32;1NPU   ** WALLS (1-20)***   150 CAY-651CA-32;1NPU   ** WALLS (1-20)***   150 CAY-671CA-32;1NPU   ** WALLS (1-20)***   150 CAY-671CA-32;1N	510 X-X-K-Y-Y-J 515 GOSUB 1150 520 IF X-160T0 Z 530 IF X-1800T0 Z 540 IF Y-2800T0 Z 550 IF Y-2800T0 Z											

arcadian —	
b means x (multiply) c means (divide)	LINES 1010-1250 CONTINUED ON P. SIXTEEN
5F6 C=Yb18+X 5F9 CPR h=ZTO U 5S8 IF C=e(A)5CTO Z 5S9 NF R=ZTO G 5L8 L=e(A); IF L(1COTO 778 5C2 FOR B=ZTO G 5C2 FOR B=ZTO G 5C2 FOR B=ZTO G 5C3 FOR B=ZTO G 5C4 FOR B=ZTO G 5C4 FOR B=ZTO G 5C4 FOR B=ZTO G 5C5	986 PENT "YOU ZAPPED YOURSELF" 986 FC-82 986 FC-82 998 MIT-2:FOR A-170 IS:X-FC;FC-BC;BC-X
- #FTTACK - #FTT	510 X-K+KYY=Y+Y 515 GOSMB 1150 520 IF X-160TO 2 530 IF X-180TO 2 540 IF Y-8050TO 2 550 IF Y-9050TO 2

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NT=30;BOX M,19,5,2,1;BOX -16,17,2,1,2;BOX -13,17,2,1,2;NT=0;GOTO J
                                                                                                                                                                                                                                                                   arcadian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (malfiply)
                           C means + (divide)
                                                                                                                                                                                                                                                                                                                   BOX M,23,9,3,1;BOX M,21,15,2,1;BOX M,17,11,6,1;BOX M,17,15,3,1
     b means x
                                                                                                                                                                                                                                                                                                                                                                    1160 BOX M,18,7,3,2;BOX M,18,1,3,1;BOX M,15,5,5,1;GOT0
                                                                                                                                                                                                                                                                                                                                                                                                                                                             BOX 6,5,4,5,1;BOX 6,1,2,4,1;BOX H,0,1,3,1;GOT0 J
                                                                                                                                                                                                                                                                                       BOX 6,2,5,4,1;BOX 6,-5,3,19,1;BOX H,-12,3,2,1;GOT0 J
                                                                                                                                                                             710 NT=5;FOR A=1T0 10;BC=252;MU=52;NEXT A;NT=0
                                                                                                                                         210 CX=-77;CY=5;NT=2;PRINT "ENTER";PRINT "WORD";PRINT "FROM";PRINT "KEYPAD";CX=
                                                                                                                                                                                                                                                                                                    BOX M, 6, 9, 11, 1; BOX M, 14, 3, 4, 1; GOTO J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1630 MU=E;MU=B;MU=B;MU=A;MU=A;MU=A;NT=0;GOT0 750
                                                                                                                                                                                                                           Z=Z+6;NT=20;MU=24;NT=50;MU=10;NT=0
                                                                        NT=20; TU=N; NT=0; @(A)=S; D=1; R=R+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A=48; B=49; C=50; E=45; F=43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BOX M, L, 21, 11, 2; BC=67
                                                                                                                                                                                                                                                                                                                                                                                                                  BOX 6,9,6,3,1;60T0 J
                                                                                                                                                                700 CX-Z8;CY-Z0;PRINT 'SAUED'
                                                                                                                                                                                                                                                                                                                                                                                                                                 G=-5;H=-7;GOT0 1360
                                                           CY=-31;CX=-62+(A-1)b6
                                          CX=Z; CY=4B; TU=S; TU=S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BOX M, 30, 1, 10, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        &(10)=174;NT=10
                                                                                                                                                                                                                                                                                                                                                                                   G=-7; GOTO 1268
                                                                                                                                                                                                                                          U=U+1;GOTO Ub58+958
                                                                                                                                                                                                                                                         G-L; H--21; GOTO 1868
                                                                                                                                                                                              IF TR(1)=860T0 758
                           IF @(A)#NGOTO 678
                                                                                                                                                                                                                                                                                                                                                                                                                                                G=-24;H=-23
              IF @(A)=S R=R+1
                                                                                                      IF D=0GOTO 800
                                                                                                                     IF RKCGOTO J
                                                                                                                                                                                                                                                                        G=-11; H=-9
                                                                                                                                                                                                                                                                                                                                                                                                   G=-22
FOR A=1TO
                                                                                                                                                                                                             GOTO 188
                                                                                       NEXT A
                                                                                                                                                                                                                                                                                                                                                                                                                1268
                                                                                                                                                                                                                                                                                                                                                                                    1200
                                                                                                                                                                                                                                                                                                                                                                                                   258
                                                                                                                                                                                                                                                                                                                                                                                                                               1388
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        618
                                                                                                                                                                                                                                                                                                                                           30X -63,-7,35,35,2;B0X -72,-31,5,5,2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MU-B; MU-B; MU=A
                                            648
                                                                        260
                                                                                                                     697
                                                                                                                                                                                            758
                                                                                                                                                                                                             768
                                                                                                                                                                                                                           BBB
                                                                                                                                                                                                                                          818
                                                                                                                                                                                                                                                         999
                                                           858
                                                                                       B7B
                                                                                                                                                                                                                                                                        1858
                                                                                                                                                                                                                                                                                       1868
                                                                                                                                                                                                                                                                                                      1100
                                                                                                                                                                                                                                                                                                                     158
                                                                                                      388
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NT=10; FOR A=1TO C; TU=@(A); NEXT A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N#T CX=Z; CY=40; TU=N; T=N; TU=95
                                                                                                                                                                                                                                                                                                                                                                                                                      BOX M, L, 21, 11, 1; BOX M, L, 19, 10, 2
                                                                                                                                                                                                                                                                              IF B>64IF B<91TU=45;60T0 388
                                                             NT=0;CLEAR ; &( 10)=174;FC=0
                                                                                                                         CX=28; CY=L; PRINT "HANGMAN"
                                                                                                                                                                                                                    B=KP;MU=B;IF B=13GOTO 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CX=CX-6;NT=10;TU=42;NT=8
                                                                                                                                                                                                                                                                                                                                                                                                                                       8(10)=160;CX=-62;CY=-40
                                                                                                                                                                                                                                                                                                              @(A)=B; A=A+1; GOTO 23B
                                                                                                                                                                                                                                                IF A>1TU=B;TU=S;TU=B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF N=@(A+22)G0T0 J
                  .BY CARL MORIMOTO
                                                                            Z=-62; M=-15; L=-19
                                                                                                                                                                     220 CX=-62;CY=-31;A=1
                                                                                                                                                                                                                                                                                                                                                                         BOX 0.-25,131,1,1
                                                                                                                                                                                                                                                                                                                                                                                                       -26,34,24,1,1
                                                                                                                                                                                                                                                                                                                                                                                          -39,5,2,60,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IF TR(1)=860T0 J
                                                                                                                                                                                                     IF A>22GOTO 318
                                                                                                                                                                                                                                   IF B#31G0T0 28B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         @(E+23)=N;E=E+1
                                                                                                                                                       -71;CY=-31;PRINT "→
                                                                                                                                                                                                                                                                 A=A-1; GOTO 23B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IF E=060T0 598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N=KN(1)c8+77
                                                                                                            T=0:E=0:U=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF N<65N=65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FOR A-1TO E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 86=N86<N
                                                                                             S=32; J=500
                                                                                                                                                                                    IF A=0 A-1
                                                                                                                                                                                                                                                                                                                            C=A-1;NT=B
                                                                                                                                                                                                                                                                                                                                                          3C=85+Cb8
                                                                                                                                                                                                                                                                                               B-S; TU-S
   . HANGMAN
                                              : RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R=0:D=8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AFXT A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ø=LN
                                                                                                                                                                                                                                                                                                                                                                                          Box
                                                                                                                                                                                                                                                                                                                                                                                                       BOX
                                              10
                                                                                                            138
                                                                                                                           200
                                                                                                                                                                                    230
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                                                                                                                                                                                                                    250
                                                                                                                                                                                                                                   268
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     400
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                                                                                                                                                                                                                                                                                                                                                                                                         360
                                                                                                                                                                                                                                                                                                                                                                                                                                       388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              545
                                                                                                                                                                                                                                                                        FOURTE
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NT=38;BOX M,19,5,2,1;BOX -16,17,2,1,2;BOX -13,17,2,1,2;NT=0;GOT0 J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    arcadian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-B}; \mathsf{MU-F}; \mathsf{MU-C}; \mathsf{MU-C}; \mathsf{MU-C}; \mathsf{MU-C}; \mathsf{MU-B}; \mathsf{MU-C}; \mathsf
                    (multiply)
                                                                                  means + (divide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    M,23,9,3,1;B0X M,21,15,2,1;B0X M,17,11,6,1;B0X M,17,15,3,1
                    b means x
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BOX M,18,7,3,2;BOX M,18,1,3,1;BOX M,15,5,1;GOTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BOX 6,5,4,5,1;BOX 6,1,2,4,1;BOX H,0,1,3,1;GOTO J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BOX G,2,5,4,1;BOX G,-5,3,19,1;BOX H,-12,3,2,1;GOTO
                                                                                            U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NT=5; FOR A=1T0 10; BC=252; MU=52; NEXT A; NT=0
                                                                                                                                                                                                                                                                                                                                                                                                      "WORD"; PRINT "FROM"; PRINT "KEYPAD"; CX=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BOX M, E, 9, 11, 1; BOX M, 14, 3, 4, 1; GOTO J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Z=Z+6;NT=20;MU=24;NT=50;MU=10;NT=0
                                                                                                                                                                                                        NT=20; TU=N; NT=0; @(A)=S; D=1; R=R+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MU=E; MU=B; MU=B; MU=A; MU=A; MU=A; NT=0; GOTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BOX M,L,21,11,2;BC=67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A=48; B=49; C=50; E=45; F
                                                                                                                                                                                                                                                                                                                                                                                                                                                         CX=28; CY=20; PRINT "SAUED"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BOX 6,9,6,3,1;GOTO J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G=-5;H=-7;GOT0 1360
                                                                                                                                                                    CY=-31; CX=-62+(A-1)b6
                                                                                                                           CX=Z; CY=40; TU=S; TU=S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BOX M,30,1,10,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              &(10)=174;NT=10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U=U+1;GOTO Ub58+958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                G=L;H=-21;GOT0 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   G=-7; GOTO 1250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF TR(1)=060T0 750
                                                                                  @(A)#NG0T0 670
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       G=-24;H=-23
                                         IF @(A)=S R=R+1
                                                                                                                                                                                                                                                                                          IF D=0G0T0 800
                                                                                                                                                                                                                                                                                                                                   RCCGOTO J
A=1T0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GOTO 188
                                                                                                                                                                                                                                                      NEXT A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     260
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BOX
                                                                                                                                                                                                                                                                                                                                                                                            CX=-77;CY=5;NT=2;PRINT "ENTER";PRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BOX -63,-7,35,35,2;BOX -72, 31,5,5,2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MU=B; MU=B; MU=A
                                                                                                                                                               650
                                                                                                                                                                                                        099
                                                                                                                                                                                                                                                                                                                                   690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           750
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IF N#T CX=Z;CY=4B;TU=N;T=N;TU=95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               M,L,21,11,1;BOX M,L,19,10,2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NT=10; FOR A=1TO C; TU=@(A); NEXT
                                                                                                                                                                         NT=0; CLEAR ; &(10)=174; FC=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1638
                                                                                                                                                                                                                                                                                                                                                   CX=28; CY=L; PRINT "HANGMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF B>64IF B<91TU=45;60T0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CX=CX-6;NT=10;TU=42;NT=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              &(10)=160;CX=-62;CY=-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B=KP;MU=B;IF B=13G0T0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                @(A)=B;A=A+1;GOT0 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A>ITU=B; TU=S; TU=B
                                                                                                                                                                                                                  Z=-62; M=-15; L7-19
                                                   .BY CARL MORIMOTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         220 CX=-62; CY=-31; A=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BOX 0,-25,131,1,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -26,34,24,1,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -39,5,2,60,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF N=@(A+22)G0T0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A>2260T0 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B#31GOTO 28R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF TR(1)=8G0T0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    @(E+Z3)=N;E=E+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A=A-1;GOTO 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IF E=BGOTO 59B
                                                                                                                                                                                                                                                                                                                                                                                                                                -71;CY=-31;PRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DE=ND6<N 41
                                                                                                                                                                                                                                                           5=32; J=500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FOR A=1TO E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A=0 A=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C=A-1;NT=B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BC=85+Cb8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NEXT A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BOX
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arcadian													
FRINT 'EMOTIONAL', y  FRINT 'EMOTIONAL', y  2-2-33  6010 239  6010 489  FRINT 'BEN' ARTHURA', C  6010 489  FRINT 'BEN' ARTHURA'  (*-212-1) RETURA'  (*-213-1) RETURA'													
199 200 210 210 210 210 210 210 210 210 210													
1 . BIORYTHMS M.R. ANGLISS 1579 2 : RETURN 3 : RETURN 4 : RETURN 5 : RETURN 5 : CLER : PRINT ; PRINT ; PRINT ; PRINT 1 ! PRINT : 0 *													

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PRINT "FOR WHAT DATE DO YOU WISH A BIO-RHYTHM?"
                                                                                                                                                                                                                                                                                                                b means x (multiply)
                                                                                                                                                                                                                                                                                                                                                      C means ÷ (divide)
    PRINT "EMOTIONAL", Y
                                                 PRINT "MENTAL", Z
               IF ZK33G0T0 Z3B
                                                                         K=365-D; RETURN
                                                                                    K=334-D; RETURN
                                                                                                <=304-D; RETURN
                                                                                                           <=273-D; RETURN
                                                                                                                      K=243-D; RETURN
                                                                                                                                  K=212-D; RETURN
                                                                                                                                             K=181-D; RETURN
                                                                                                                                                                                                                                                                           INPUT "MONTH"M
                                                                                                                                                        (=151-D; RETURN
                                                                                                                                                                     =120-D; RETURN
                                                                                                                                                                                                                                                                                                   GOSUB Mb18+498
                                                                                                                                                                                K=90-D; RETURN
                                                                                                                                                                                            K=59-D; RETURN
                                                                                                                                                                                                       K=31-D; RETURN
                                                                                                                                                                                                                                                                                      INPUT "DAY"D
                                                                                                                                                                                                                                         PRINT ; PRINT
                                                                                                                                                                                                                                                                                                                                                                                 W=151; RETURN
                                                                                                                                                                                                                                                                                                                                                                                              W=181; RETURN
                                                                                                                                                                                                                                                                                                                                                                                                       W=212; RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                    W=243; RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                              W=273; RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                         4=304; RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                     W=334; RETURN
                                                                                                                                                                                                                                                                                                                                                                     4=120; RETURN
                                                                                                                                                                                                                                                                                                                                                4=59; RETURN
                                                                                                                                                                                                                                                                                                                                                            4=90; RETURN
                                                                                                                                                                                                                                                                                                                                    4=31; RETURN
                                                                                                                                                                                                                                                                                                                          W=0; RETURN
                                                              GOTO 488
                                       GOTO 200
                                                                                                                                                                                                                              GOTO 100
                                                                                                                                                                                                                                                                                                              GOTO 620
                          Z=Z-33
                                                                                                                                                                                                                    L=Ac4
                                                                                                                                                                                                                                                                PRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 U=M+D
                                      228
                                                               240
                                                                                                                                                                     340
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                                                                                                                                                                                                                                                                                                      PRINT "STAND BY FOR YOUR FACTORS TO BE COMPUTED"
ANGL ISS
                                                        CLEAR ; PRINT ; PRINT ; PRINT
                                                                                                                                                                                                                                                         "BIO-RHYTHM FOR THE"
M.R.
                                                                                                                                                                                                                                                                                          ; PRINT ; PRINT
                                                                                                                                                                                                                                                                    "YEAR 19??"C
                                                                                                                                                                                                                                  "YEAR 19??"Y
                                                                                                                                                                                                                                                                                                                                                                                                                                  PRINT "PHYSICAL",X
                                                                                                                                                                                                                                                                                                                                                                                      X=A+3; Y=A+3; Z=A+3
                                                                                                                                                                                                                                                                                                                                                                                                IF X<23G0T0 158
                                                                                                                                                                                                                                                                                                                                                                                                                                               IF Y<28G0T0 198
                                                                                                                                                                                     "MONTH"M
                                                                                           0
R
                                                                                                                                                                                                                                                                                                                                                   GOSUB Mb10+20
                                                                                                                                                                                                           "DAY""
. BIORYTHMS
                                                                   FC=7;NT=0
                                                                                                                                                                                                                                                                                                                 A=(C-Y)-1
                                                                                                                                                                                                                                                                                                                            GOTO 388
                                                                                                                                                                                                                                                                                                                                                                                                                        GOTO 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GOTO 150
           : RETURN
                     : RETURN
                                : RETURN
                                             : RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Y=Y-28
                                                                                                                                                                                     INPUT
                                                                                                                                                                                                           TUPUT
                                                                                                                                                                                                                                  INPUT
                                                                                                                                                                                                                                                         PRINT
                                                                                                                                                                                                                       CLEAR
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BOX H,I,5,5,1;BOX H,I,3,3,3;BOX H,I,5,5,2;BOX H,I,3,3,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BOX P, Q, 62, 62, 3; BOX P, Q, 60, 60, 3; BOX P, Q, 50, 50, 3; RETURN
                                                                          BIO-RHYTHM, OR A DIFFERENTYEAR?"
               RHYTHM FOR THE YEAR OF", C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BOX H,I,1,1,3;BOX H,I,3,3,2;BOX H,I,1,1,3
                                                                                                                                                                                                                                                                                                                                                                        BOX H,I,5,1,2;BOX H,I,1,5,2;BOX H,I,3,3,2
                                                                                                                                                                                                                                                                                                                                            BOX H, I, S, S, Z; NT=Z; MU=H; MU=I; NT=B; RETURN
                                                                                                                                               b means x (multiply)
                                                                                                                                                                         means + (divide)
                                                                                                                                                                                                                                                                                                                                                                                                     GOSUB 1100;CX=-60;CY=36;PRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                   NT-2; FOR E-1TO 5; MU-80; NEXT E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NT=2; FOR E=1TO 6; MU=42; NEXT E
                                                                                                                                                                                                                                                                                                                                                                                        VT=2; MU=53; MU=49; NT=0; RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                    BOX H, I, 3, 3, 2; BOX H, I, 1, 1, 1
                                                                                                                                                                                                                                                                                                                S=@(A); T=(S-1)c1B; S=S-Tb1B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NT=0;BOX H,I,5,5,2;RETURN
                                                                                                                                                                                                                    "ATTACK"
                                                                                                                                                                                                                                                                                                  H=P+Xb5; I=Q+Yb5; RETURN
                                                                                                                                                                                                                                                                                                                              H=P+Sb5; I=Q+Tb5; RETURN
                                                                                   INPUT "1=YES 2=PROGRAM FINISHED"T
                                                                                                                                                                                                                                                                                     NEXT A;NT=0;GOTO 178
                                                                      "DOES SOMEONE ELSE WANT A
            PRINT "DO YOU WISH ANOTHER BIO-
                                                                                                                                                                             ں
                                                                                                                                                                                                                    n
                                                                                                                                                                                                                                                                       MU=44: MU=44
                                                                                                                                                                                                                                                                                                                                                                                                                                                 NT=0; RETURN
                                                                                                                                                                                                                                                                                                                                                          GOSUB 111B
                                                                                                                                                                                                                                       P. THIRTEEN
                          INPUT "1=YES Ø=NO"T
                                                      CLEAR ; PRINT ; PRINT
                                                                                                                                                                                                                    2011402117200
                                        IF T=1GOTO 4MM
                                                                                                   IF T=1G0T0 1B
                                                                                                                                                                                                                                                                                                                105
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                                                                                                                                                                                                                                                                                                                                                                                        1140
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                                                                                                                                                                                                                                       FROM
                                                                      PRINT
                          828
                                        1838
                                                      1848
                                                                    1858
                                                                                    1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINT 'TODAY YOU ARE', A+U
                                                                                                                                                                                                                                                                                                                                                                                                                                                        J=-26; G=B-E; F=33-E; Q=33
                                                                                                                                                                                                                                                  J=27;6=0-5;F=28-5;0=28
                                                                                                                                                                                                                                                                                                                                                                                                                             J=0:6=0-R:F=21-R:0=21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FOR T=1T0 9999STEP 1
                                                                                                                                                                                                                                                                                                                                                     BOX Tb2, Pb2+J, 1, 1, 3
                                                                                                                                                                           PRINT : PRINT
                                                                                                                                                                                                                                                                                                                         IF I<(Hb3)G0T0 958
                                                                                                                                                                                                                                                                                            FOR T=GTO FSTEP 1
                                                                                                                                                                                                                                                                              BOX 15, J, 125, 1, 3
                                                                                                                                                                                                                                                                                                                                                                                                             IF J=-26G0T0 978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRINT "DAYS OLD"
IF R<23G0T0 678
                                            IF S<2860T0 788
                                                                                    IF E<33G0T0 738
                                                                                                                                                                                                                                    BOX 0,0,1,86,3
                                                                                                                                                                                                                                                                                                          IF I<HGOTO B5B
                                                                                                                                                                                                                                                                                                                                                                                               IF J=860T0 938
                                                                                                                                                                                                                                                                H=0c4; I=0; P=0
                                                                                                                                                                                                                     "MENT"
                                                                                                                                                             "FMOT"
                                                                                                                                                                                         .SAHd.
                                                                                                                                                                                                       PRINT.
                                                                                                                               CLEAR : PRINT
                                                                                                                                               FC=65:NT=0
                                                                                                                                                                                                                                                                                                                                                                                                                                           GOTO BIB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GOTO 818
                            GOTO 648
                                                                        G0T0 67B
                                                                                                                 GOTO 7 РВ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GOTO BER
                                                                                                                                                                                                                                                                                                                                                                                 NEXT T
               R=R-23
                                                          5-5-28
                                                                                                    E=E-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NEXT T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      P=P-1
                                                                                                                                                             PRINT
                                                                                                                                                                           PRINT
                                                                                                                                                                                         PRINT
                                                                                                                                                                                                       PRINT
                                                                                                                                                                                                                     PRINT
                                                                                                                                                                                                                                                                                                                                                                   I=I+1
                                                                                                                                                                                                                                                                                                                                       P=P+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FC=B
                                            678
                              988
                                                          588
                                                                                                   710
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```

R=U+X;S=U+Z;E=U+Y

BIO-RHYTHM, OR A DIFFERENTYEAR?" RHYTHM FOR THE YEAR OF", C INPUT "1=YES Z=PROGRAM FINISHED"T "DOES SOMEONE ELSE WANT A PRINT "DO YOU WISH ANOTHER BIO-INPUT "1=YES Ø=NO"T CLEAR ; PRINT ; PRINT IF T=1G0T0 400 IF T=1G0T0 18 PRINT 040 090 020 030 050

IF R<23G0T0 670

R=R-23 S=S-28

> 660 688 292 ZNR 710 720 738 232 740 250 288 88 290 BBB 818 320

7BB

IF E<3360T0 73Ø

CLEAR ; PRINT "EMOT" :PRINT "MENT"

FC=65;NT=0 GOTO 788

PRINT

# b means x (multiply) means + (divide) J

# "ATTACK" 0 FROM P. THIRTEEN 201107711200

J=27;6=0-5;F=28-5;0=28

H=0c4; I=0; P=0

BOX B, B, 1, 86, 3

BOX H,I,5,5,1;BOX H,I,3,3,3;BOX H,I,5,5,2;BOX H,I,3,3,3 BOX H,I,1,1,3;BOX H,I,3,3,2;BOX H,I,1,1,3 BOX H, I, 5, 1, 2; BOX H, I, 1, 5, 2; BOX H, I, 3, 3, 2 BOX H, I, 5, 5, 2; NT=2; MU=H; MU=I; NT=0; RETURN GOSUB 1100;CX=-60;CY=36;PRINT NT=2; FOR E=1TO 5; MU=80; NEXT E NT=2;MU=53;MU=49;NT=0;RETURN BOX H, I, 3, 3, 2; BOX H, I, 1, 1, 1 S=@(A);T=(S-1)c10;S=S-Tb10 H=P+Xb5; I=Q+Yb5; RETURN H=P+Sb5; I=Q+Tb5; RETURN NEXT A;NT=0;GOTO 170 NT=0; RETURN GOSUB 1110 135 1110 1120 1150 1100 1105 1130 1140 180 190 200

FOR T=1T0 9999STEP 1 GOTO BEB

960 978

J=-Z6; G=0-E; F=33-E; Q=33

J=0;6=0-R;F=21-R;0=21

GOTO 818 GOTO 810

J=-2660T0 97@

IF J=060T0 930

NEXT T

BOX P, Q, 62,62,3; BOX P, Q, 60,60,3; BOX P, Q, 50,50,3; RETURN

NT=2;FOR E=1T0 6;MU=42;NEXT E

210

NT=0;B0X H,I,5,5,2;RETURN

NEXT T FC=B 880

PRINT "TODAY YOU ARE", A+U PRINT "DAYS OLD"

338 SIXTEEN

340 350 360 370 380 398 310 938 940 920 920

IF I<HGOTO B50

FOR +d=c

BOX Tb2, Pb2+J, 1, 1, 3 IF I((Hb3)GOTO 950 BOX 15, J, 125, 1, 3 T=GTO FSTEP

#### NUMBER MATCH

4. NUMBER MATCH 5.BY SCOTT WALPOLE 10 CLEAR:C=0:NT=0:BC=249:FC=7 20 BOX 0,0,40,40,1 30 BOX 0,0,30,30,2 40 FOR A=1 TO 50 50 B=RND (9) 60 CX=0:CY=0:PRINT #1.B 70 FOR D#5 TO -5 STEP -1

80 G=0
90 IF &(23)=8 G=1;GOTO 200
100 IF &(22)=8 G=2;GOTO 200
110 IF &(21)=8 G=3;GOTO 200
120 IF &(23)=4 G=4;GOTO 200 130 IF &(22)=4 G=5;GOTO 200 130 IF &(22)=4 G=5;GOTO 200 140 IF &(21)=4 G=6;GOTO 200 150 IF &(23)=2 G=7;GOTO 200 160 IF &(22)=2 G=8;GOTO 200 170 IF &(21)=2 G=9;GOTO 200 180 IF D=-5 GOTO 220

190 NEXT D 200 IF G#B GOTO 80

220 C=C+D 250 CX=-30;CY=-32;PRINT "SCORE +",#2,C

260 IF A=50 GOTO 300 270 NEXT A 300 CLEAR: PRINT "YOUR FINAL SCORE →",#2,C

## INSTRUCTIONS

The object of this game is to match the "umbers one at a time as ouickly as possible for the highest score. You have accrox. 2 seconds to repeat the number disolayed within the box repeat the number disolayed meas the wrong number, try for the same number again before you? 2 seconds are uniter again still haven't got the right number and the 2 seconds have run out. 5 noints will be deuted from your score and the computer will select a number. Continue remeating the number until the programs stops.

#### SHORT PROGRAMS

4.RANDOM BOX 5.BY SCOTT WALPOLE 10 CLEAR 20 FC=7;BC=0 30 BC=BC+8 40 JF &(21)=16 RUN (Press the ERASE key to 50 X=RND (15)×10 clear the screen) 60 Y=RND (8)×10 70 BOX 0,0,X,Y,3 80 GOTO 30

#### MUSIC PROGRAMS

#WHELLO,DOLLY!"

10 CLEAR; |NT=13 (or 12)

10 CLEAR; |NT=13 (or 12)

10 FINT "350003135600031",

30 PRINT "357%17%17%12%150000",

40 PRINT "43-560001246-7000",

50 PRINT "4245%32%32%32%375 (1 space)", 80 PRINT "70(3 spaces)x1065035x1x1x165035", 100 IF £(23)=1 RUN (Press GO to play again)

4 PHELLO, DOLLY1"

3 50003 1 3 5 60003 1 3 Hello Dolly well Hello Dolly It's so nice ×1 ×2 ×150000=4 to have you back where you belong You're look--5 6000 4 2 4 6 -70004 2 4 ing swell Dolly we can tell Dolly You're still x3 x2 x3 x2 x3 x2 7 5 60 glowin' you're still go7 5 3 4 -4 5000 3 1 3 5 in' strong We feel the room swavin' for the 6000 3 1 3 5 x2 x1 x2 x1 x2 band's playin' one of your old fav'rite songs ×1 x2 x1 6000 70 x10 6 50 3 5 from way back when so take her wrap fellas x1 x1 6 50 3 5 Find her an emty lap fellas Dolly I'll never x3 x2x4x3x100 go away again!

4. "POPEYE THE SAILOR" 5.BY SCOTT WALPOLE 10 CLEAR ;NT=12 20 PRINT "355540350550", 30 PRINT "564680650550",

60 IF 8(23)=1 RUH (Press GO to play again) 70 6070 60

#### LYRICS

5 5 5 40 3 50 I'm Popeve the sailor man (toot toot) 4 6 80 6 50 5 I live in a garbage can (toot toot) 5 6 4 6 8 7 6 5 6 5 3 1 I like to go swimmin' with bow-legged wimin (women) 3 5 5 5 60 7 80 8 8 I'm Popeve the sailor man! (toot toot)

ADS:

SELL Bally computer system complete, includes PANZER ATTACK/RED EARON, CLOWNS, BREAKOUT, FOOTBALL, STAR EATTLE, ELACKJACK, EASEFALL and 4 joysticks. Best offer about \$300. brand new.Mark Turmell, 4691 S.Elm Dr. Bay City Mich. 48706 (517) 684-9189

SELL Bally Arcade with 4 pistol grips, EASIC cart. Cassette Interface, SEAWOLF, FOOTBALL, BASEFALL, ELACKJACK, RED BARON, CLOWNS, LETTER MATCH, MATH, and 280 ZZAP. All for \$320. Russ Craven 114 W.Wrenwood Fresnoca 93704 (214) 431-3689

SELL "INVASION" on C-10 cassette with documentation \$5. George Collins 30 Sierra Ave., Piedmont CA 94611

SELL Bally Arcade complete with 4 controllers, BASIC, tape interface, and 4 game cartridges like new condition \$350. V.James, 1284 Paddington Way San Jose, 64, 95127 (488) 251-7718

SELL Bally FOOTBALL cartridge \$10. Your check will be promptly returned if cartridge sold. Check or money order to Cliff Donley 9916 Aldridge Dr. Columbia Station OH 44028

Best Wishes to all at this Holiday Season, and looking forward to an enjoyable New Year as we solve more mysteries of the Bally...

EIGHTEEN

ARCADTAN

Robert Fabris, reveler 3626 Morrie Dr. San Jose, CA 95127

FIRST

#### ATTACK

This is a game of CHASE. The object is to manuever yourself into a position where all five attackers destroy themselves by smashing into coalls in the process of chasing you.

Number of walls must be entered at the start of the pame.

Joystick #1 and Trigger #1 are the only controls used. The joystick changes your position to the corresponding direction. The trigger is used to start the game and also to hold your current position.

708 4=210 U L=RMD ((100) N=A-/ FOR B=(170 N;MT=	MU=(+B; NT=0. IF, L=@(B),G0T0, 2. NEXT, B,			508 A=710 4 508 A=710 4 50843 11.05;60.54	F68 4=276 6	695UB (1105).695U	X=\(\alpha\)\(\a
205	230	250	260	280	300	320	3.50
				1.11			
.ATTACK. WORIMGTO.	: RETURK	CLEAR 547=058C=250; EC=7. P=20:0=10:CX=P-21:	C/='Q' Z=950'	WIT=Q	CX=-603CX=-323;IMPUT. "#\&WALLS\&(\30)".U. U=U+6:TF. U>26U=26.	5076 200	A=KND (100) IF TR(1)=060T0 170 Q(1)=RND(100)
1 W 4	0,1	100	/20	1/4/0	150	1,6,5	1.80

25.03. 2.26.3. 2.0

FOR B=2	IF A=BG	7F 4=10C	WEXT B	SASWB 1	BOX H.I	1.F V=06	Z.F. V<0.S.	IF VYOS	IF W=0.6	IF W <ot< th=""><th>IF WYOT</th><th>GOSUB 1</th><th></th><th>D=70/0+</th><th>Z.F. D=C.G</th><th></th><th>FOR 3=7</th><th>1.F. D# QC.</th><th>Q(A)=-1</th><th>6979 77</th><th>MEXT B</th><th></th><th>WEXT 4</th></ot<>	IF WYOT	GOSUB 1		D=70/0+	Z.F. D=C.G		FOR 3=7	1.F. D# QC.	Q(A)=-1	6979 77	MEXT B		WEXT 4
622	624	979	628	630	-	650	660	670	680	690	700	710	-	720	-	-	730	740	7.50	-	760	-	77.0
アメエダイン・アニョン・アメエメア	"YOUR SMOVE"	17 TR(1)#060T0 515	<b>ペープ×(ハ)・ハーファ</b>	IF K=01F J=068TB 410		-	BOX 4, 2, 5, 5, 1	メニメナベジンニンナビ	GBSUB 1150			IF X>106070 Z	1,7 , Y < 060,70 Z, , , , , ,	17. Y.>96070 Z.	(=/X@//o+X	FOR 4=278 4	2F C= Q(A) GQTQ Z	WEXT H		-	L=@(4):1F L 6979770</td <td>7=112-113-10:15-1-17.01</td> <td>V=X-X:W=Y-7</td>	7=112-113-10:15-1-17.01	V=X-X:W=Y-7
400	-	0/4	420	430	-	500	-	510	5/3	-	520	53.0	540	550	5,60	570	580	590	-	000	0/9	620	-

9	٦	5070 650			5,/,,,,,,,,,	68.0	-111111111	1111111111	9710	1,11111111	1111111111			@(A)=D;	9 980		4	6070 760	9 SUB 11.90:				
FOR B=270	IF A=BGBTB	1F 1= @(B) G070 650	WEXT B	SOSUB 1110:	80X H. I.S.	1.F V=060TO	I.FV<0.S=.S-	I.F. V.>0.S=S+	IF W=0.60TB	IF W<0.T=.T-	IF WADTET	GOSUB 1130		D=T0/0+S: Q(A)=D	IF D=C60,70	1 1 1 1 1 1	FOR 3=7.70	1.F. D# QCB) GOTO	Q(A)=-1:60 SUB	6978 770	. 1		WEXT 4
622	479	626	828	630	-	650	660	670	1680	690	700	710	-	720	-	-	730	740	750	-	760	-	770

0 PRINT "YOUXARESEAPPE D. WITES;FOR A=1.170 1.5; X=FC:TC=BC:3C=X		4000			
000/	10.10	1.1.0.5	11.10	//30	1/40
	1111		1118		9
@(A);		9	4 - K		
0.55 67'		1,697.6. 400.	7; 60s'u, 7 4 250 18477410,	, Q	4824PPEDXX
FOR A=270 5; L=@(A); ZF L<\GGT0 A=0 FOR B=At\ITD ZF L=@(A) @(A) =-\	WEXT A	FOR 4=2.79 6. LF @(A)>0.6970 400. NEXT. 4.	EBR 4=/178, 7; GOS'UR, LUSD; MEKT A. EC=7; BC=250 PRLWT, "ALL\ATTAICKERS	<u> ХДЕS, Т.ROV.ЕД".</u> 69.ТӨ. //.7О. 7C=///£;3C=/.	PRINT "YBU & A. P. P. B.

	PROGRAM	NAME	CHECKERS		by	John	Collins	Page 2 of 3
	Line #		Staten	nent(s)				Comments
	320	5=5-	2 x (x - 10);	IF e(s)	=	1 1 1		
		3601	0 8					
	330	GOTO	9					
			(u+C)=OIF				2 mare	into Corner
			8					<u> </u>
	410	GOTO	9				<del></del>	
	500	L=1	9				East on	error same as bor but
OR ENTS			IF @(u+c)					not the king
OF SHADED AREA IS FOR 2ND OR LINES OF MULTI-LINE STATEMENTS			(U+F) <3IF					<u> </u>
FOR ST			0.70 9					nove into jump
0 4 1	(10	TER	O(1+F)=3IF	Q(11+C-		لساساسا	-	<u> </u>
ARE			0 T O 9					
ADED OF N			=560T0 70					
NES NES			1; D=e(u+L					toward other pake
USE O			+ (3>3) 607					toward other pake
26			#2IF D<36					
			630					
								<i>l</i> ::
	7.0.0		(U) = 500TO	1_1_1_		ليسلسا	move or	ny non-king prece
			8,					more
			H 1 - 0 - 1 - 1 - 1					
			71; CY=40;					
	استسلستسلسا	K.O.M.	, Go. S. U. B. 1.7	00 K = 1	$P_1R_1$	N.I.	-	
	اسلمطمطما	وساسو	": GOSUB I	700,5=1		لسفسفسا		
	1010	11	@(R) > 2) + (	e(R)=0)	4	لسلسلسا		
E *		Lets	(1) #3)60,70	1000		بيت		
NOT ENTER A SPACE BETWEEN LINE # STATEMENT.THIS IS DONE BY THE UNIT			(R) # I I F R		1	للللا		
WEEn		600						
DON	1206	IF. (	(S-R) x (S-	R)) < 122	G	لللب	< jump	check
PACE S IS		OTO	1600 >OIF @((S		-	لللا		
A S				+ (8) = 2) <	4	لسلسا		
MEN		GOT	e(s)=e(r)					
10 1 A T	1220	J=T;	E(S)=E(R)	; e((s+R	)	لسلسلسا		
88		÷3,)=	3; C(R)=3	ليا حا حا حا حا حا حا حا حا		باللا		
∢	1400	FOR	X=9.T0 115	TEP 2;G		ننس		
		$S+J_{x}$	X; IF (C(G	(3) = 3 + T) +	161	6)=		
			T) 60 TO 14					
			1,5,00					
	1450	G=5+	$\mathbf{a} \times \mathbf{J} \times \mathbf{X}$ ; IF	@(G)#3G	0			
			500					
	1470	R=5.	S=G:X=11:	NEXT X	6			

## WORD INPUT : Keypad

...max. number of characters: 22 including spaces multiple words separated by spaces permitted. Allowed characters: A to Z and space

Special Characters: GO to terminate input ERASE to backspace. Other characters are considered as spaces

### CONTROLS:

Trigger #1 — 1. Start new game
2. indicate selected character

Nob #1 — select character

### NOTE:

Ten misses and you will be hanged at ten misses.

Visible screen area is reduced for hiding word display. If the game is terminated in the middle, enter &(10) = 174 to reset view window to the normal size.

GMAN MARIMATA	5(LEAR ; A(10)= 5(=0 \$\frac{1}{2}, M=-15; L=-119.	=0;	77 TAL	7/1; CV=-3/1; PRIMT	-62;CK=-3/;A=/ A='0A=/ A>22, G0T0, 3/2
BY CARL	MT=0.3/CLEAR 1743, FC=0. Z=-6.2; M=-1. S=32; J=50.0	CX=28; CX=28; CX=28; CX	14,14	CX=-7/1	CX=-62; CY= IF A=0A=1 IF A>22 66
5	1,000	13.0	3/0		220

B=KP; MU=B; I.F. B=/3.	IF B#31 60T0 280	-/3,607.0	56 50 50 50 50 50 50 50 50 50 50 50 50 50	Q(A)=B; A=A+1; 6070.230	ן ן י	-72, -3/	30X 0, 25, 25, 13,1,1,1	M. 6. 34	19,10,2 -= 160; CX=-6	-40 W7=(0;F0R 4=,170 C;TV =(0(A));WEXT A
1250	27.0	275	20 - 60	3000	2 - £	330	340	3,60	380	3,90

a-a-1,-4.0-	WEXT A	1F D=060TB	ZF RKC & GBT		CX=2813.CY=2	AVED"	WT=5: FOR A	= 252; MU=52	0 4	IF TR (1) =0	5070 100		Z=Z+6:N7=2	=.50 : MU= 10;	U=U+1:60TO		6=14: H=-2/;	G=-11:4=-9	30X 6,2,5,	67,019/10 E. 0.2-	8,2,1/1,507	30X M. 6, 9,	1/4 × (E,4)
	670	680	069		2007		710	-		750	292	-	900	-	278	-	1000	1050	10,60			0011	-
- 6	7	+	7.7. W<65M=65.	IF NY90N=90	IF W#TKCX=Z;CY='40;TK	=W:T=W:TV=95	FF TRICID=060,TO J.	CX=CX-6:N7=10:TV=42:	W.T.=.0		FOR 4=170 E	IF N=18(A+22) 60,70 J.	WEXT '4	@(\E\+\2\3)\=\K\\\\\\\=\E+\/\\\\\\\\\\\\\\\\\\\\\\\\\\\		R=0:0=0	FOR 4=170 C	2F @(4)=S\8R=R+/	17, Q(A) #NGOTO 670	S-11: S-11: 02-40: 11/2-8: 11/2-8	C, Y=,-3/1; CX=-62+(A,-1).8		NT=201; TV=N; NT=01; @ (4)
-	<b>4</b> 60	500 K	310	52,0 I	_	<u> </u>	540	545	>	550 I	560 F	5,70	N 085	590	-	600 R	1810	•	,530 Z	J 049'	650	_	N 099

-0. h=1: P=2+1	KEXT A				CX=2813.CX=203.PRZNT. "S	4V.E.D"	WT=5: FOR 4=170 10:BC	= 252; MU=52; NEXT, A; NT	20 -	17 TR (1) =06070 750	5078 100		Z=Z+6: NT=20: MU=24: NT	= 50 : MU= 10: WT=0	4-41:60TO 4050+950		G=4: H=-21: 60,TO 1.060	G=-111:4=-9	BOX 6, 2, 5, 4, 1, 30K G.	1,19,1;86	Ŋ	30X M. 6. 9. 11. 1:30X M	
	670	680	069	-	2007	-	0/2		-	750	292	-	80,0	-	0/8	-	1,00,0	1050	10,60	-		0'0'1'	

8.(.10.)=./74;/X7=.10 MU=B;/MU=A; MU=A;W MU=A;WM=B;MU=B;W MM=A;MM=E;MU=C;M MH=C:MU=C;MU=A;M		252			
1620	0697			 	
80x My 23, 12, 50, 12, 12, 80x M 50x My 23, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12	(A)	2017 2017 2017 2017 2017 2017 2017 2017	28/ 6, 2, 4, 5, 6979, 7	80x M. 36, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20	2016 - 13, 17, 2, 1, 2; MZ= 0;60 T6 J 20X My Ly2(), 1/1, 2; 8C= 67 4=48; 18=49; C=50; E=45; F=43
		1250 1260 1300 1300			1/4/50

MUE-B; MUE-A; MUE-A; SOTA DEAR BOB:

would you Please Rus

my AD IN THE NEXT ARCADIAN? THANKS ?

BALLY ARCADE COMPLETE WITH 4 CONTROLLERS, BASIC, TAPE INTERFACE, AND 4 GAME CARTRIDGES LIKE NEW CONDITION 35000

VERNON JAMES 1284 PADDINGTON WAY

SAN JOSE, CALIF. 95127 PH. 251-7714

2.2

2 December, 1979

ARCADIAN Robert Fabris 3626 Morrie Dr. San Jose, CA 95127

Dear Mr. Fabris,

This is a request for the documentation described on page 83 of the ARGADIAN. As I understand it is available for \$15 ppd.

You will find enclosed a check for \$15.00 for the manual.

On page 91, the program Reseque cing has an error in line 20060. Specifically the statement For A=24574 To A+1796-SZ

should read

For A= -24574 To A+1796 -SZ

Thanks for a great publication, keep up the good work, and Happy Hollidays.

Sincerely yours,

Warten L. Grantham Warren L. Grantham 7596 Roselake Drive Dayton, Ohio 45414 1841 E. CHAPMAN • ORANGE, CALIFORNIA 92667 • (714) 771-0140

Dec. 7,1979

Robert Farms

Dear Bob.

I have enclosed some information on the products we offer along with several copies of our newsletter, the Video Voice.

An item such as the patch buy might be of particular interest to your dub members. We could sell them to members it 10% off list.

your newslatter if possible part 2/

If you feel any of our products or services would be of perticular interest to your mambers I can provide you with more into and materials.

Sim dames Leads

2.2 04

MEADEC 14 PH 4: 21

BOB:

I HAVE SEVERAL BALLY FOOTBALL CARTRIDGES I PICKED UP.
WOULD LIKE TO PLACE AN AD IN THE ARCADIAN. PLS SEND ME THE BILL
FOR WHATEVER THE COST.
AD SHOULD READ AS FOLLOWS...

BALLY FOOTBALL CARTRIDGE \$10.00

VPROMPTLY
YOUR CHECK WILL BE RETURNED IF CARTRIDGE SOLD.

SEND CHECK OR MONEY ORDER TO

CLIFF DONLEY

9916 ALBRIDGE DR.

600,UMBIA STATION ONLO 44025

.....THANKS BOB...

CLIFF DONLEY ..

P.S. MY HIGH SCORE ON BACKY HOME SPACE IMPADERS LEVEL 4 IS 4910



0

DEAR MR. FABRIS,

COULD YOU AND WOULD YOU INCLUDE IN YOUR NEXT ISSUE OF THE WELL PUT TO GETHER "ARCADIAN" NEWSLETTER THIS ADD:

SELL BALLY COMPUTER

SYSTEM COMPLETE, INCLUDES

PAUZER ATTACK / RED BAROW,

CLOWNS, BREAKOUT, FOOTBALL,

STAR BATTLE, BLACKJACK,

BASEBALL AND 4 JOYSTICKS!

BEST OFFER AROUT \$ 300.00

BRAND WEW. MARK TURMELL

4691 S. ELM DR. BAY CITY,

MICHIGAN, 48706

(517) 684-9189

THANK YOU, AND BILL ME IF THERE IS A CHARGE.

(mark Turmell

MARK TURMELL 4691 S. ELM DR. BAY CITY, MI 48706

and MIT Hi Bob: This is what I have been able to dig up in the way of data for the custom parts. I don't know if It will be much help but I let you decide. If I can dig up any other data I'll sand, & to you, Most of the data on custom products is company private and hard to come across. I haven't seen the parts come through the test Floor & but I don't see every thing that goes through, As Far as I know we only make these three parts For Bally, From the looks of things they are also used in the commercial games - just speced a little tighter, I'll see wat what I can to about an exchange set up. I haven't over heard of them dong anything # like that but it it's just a few I might be able to set up something. Have you heard of

any body having problems with our chips? What's happening with the add on any more news? 237-4145 Enclosed is \$12,00 For Sept., Och, Ly Don Thanks. Don Don Kugler 760 Frewood 36 Pocchello, Idaho. and Next years I ssees.

BS serva Circenul Pièclemont Colifernia (14611

Robert Fubris 3626 More Drive Dan Jose, Calgornia 15/27

Dear Mr. Fabris;

Anex enclosed the article Space Mar in Diny Basic from the Mapp issue of Byte. I hope you can at least publish the programs because they are very useful. Celso, Please make it known that I am obsering the program <u>Invasion</u> on a C-10 with documentains or bue dollers,

Dincerly; Deorge Collins

11/17/79

PAR Bob.

IN Reference to OUR CONVERSATION 11/17 PROASE

FIND ENCLOSED A Check for \$1/0,00. Also FIND the WRITTEN

PROGRAM ! TAPE FOR BIO-RHYTHMS". THE PROCRAM STRETS

ON SIDE I OF THE TAPE. PUSH: TAPUT, THRE IS NO NAME TO

PUSH: RETURN AFTER THE TAPE HAS LISTED AS THE PROCRAM

WILL TIMMEDIATY RUN. YOU WILL BE ASKED FOR BIRTH DATE; MONTH,

DAY! YEAR. PUSH THE CORRECT NUMBERS THENGO APPRETIE NUMBER.

TRAMPLE MONTH? 8 GO

DAY 2, 17 G.

YAR 19?? 50 GO THO JUPPET THE YAR FOR THE BIO-RHYTHIM TO BE COMPUTED TO YAR 19?? 79 GO.

THE PROGRAM WILL RUN UNTIL 3 NUMBERS APPEAR ON THE SCREEN.

eg. Physical 10

Omotional 7 Nord: The OLDER you are, the Longer this

Montal 14 TAKES

Thrse NUMBERS ARE FRETORS FOR the computed for the Desirto Yerr.
YOU WILL BE ASKED FOR A SPECIFIC MONTH & DAY, TWALT AS ABOVE.
AFTER A BRIEF TIME A GRAPH WILL BE DISPLAYED. THE VIRTICAL
LINE CORRESPONDS TO THE DAY REQUESTED TO SHOPE ALL CYCLES.

The PROGRAM ARTOR A COURT TO 9999 WILL CONTINUE TO DISPLAY DAYS OLD"

Them to A Decision cycle IP I GO 13 pushed, the Program will eyele Blee

TO ASK FOR ANOTHER MOUNTS DAY FOR the YEAR Just Programmed FOR the SAME

BIRTHDATE. IF \$ 13 poshed Another MAY entry his BirthDAY or the SAME

Preson A DIMPERST YMA TO BE COMPUTED.

This PROGRAM SEEMS TO GIVE AN ACCURATE BIO-RAITAM, IT CORRESPONDS TO DATES I have compared than Bio-Ryathm Sources, however I have seem unatations of up to 7 days Offwer publicant sources, So, Take this FOR what It's worth, It's A JREAT PROJRAM FOR FUN, A-0 AS Accurate AS COULD BE TRAFFEED.

ALSO PLEASE ENCLOSE The Schemaric we DIS cossed For The Lybr-Pen"

Thank you, Milling &

MR. Robert Fabris 3626 Morrie Drive San Jose, CA 95/27

### Dear Fobert:

Although I haven't had time to really to much with the Belly unit, I have enjoyed reading your newsletter. Recently have programmed some games for the ARCADE so there are included with this letter. However, the purpose of my letter is for the following:

- (1) 4/0 subscription for the coming year is enclosed.
- (2) Would you send me another copy of your Vol. I NO. 10? I have misplaced it and cannot flint it . (154 postage is enclosed.
- (3) My version of the game HANGWAN and ATTACK is enclosed. For your convenience, the tape containing these programs are enclosed.
- (4) of you need help with that soo page namual on handback (

Sincerely yours,

Carl DV prinists

MORIMOTO 4003 Hamilton Park Drive San Jose, CA 95130

11-63-7

DEAR SIR

ENCLOSED 15 \$10.00 FOR RENEWAL OF MY SUBSCRIPTION TO ARCHMINN.

THASE RUN THIS AD;

FOR SALE: BALLY ALERGE WITH 4 PISTOL.

GEIPS, BASIC CARTHOLE, CASSETTE INTELFACE,

SEAUROLP, FOOTBALL, BASEBALL, BLACKTACK,

RED BARON, CLOWNS, LETTER MATCH, MATTH

AND 280 ZZZAP ALL FOR # 320°
RUSS CLAVEN, 114 W. WENNOOD, FRESNO

CALIF 93704 (214) 431-3689

THANK You Russ Com

De AR Scb,

Here is the nament assembler I told you about, and a check for 20 for the Bally data you sent me. I om sery this took so long. I found out the day after I received the data that my checking account wer two delians from being overseaver - a to 5 shows little played do that. Everything is O'K. Then with me I just hope writing in my morey has a put yes in a birth. I know you have bills to say morey has a with this world have been no help. I quounted the one in with this world have been and I hope it don't take too long to clear the back.

Now that I have the morely is you, if you will tell me

with said word seeme, and I hope it don't take to long to clear the boack. Now that I have the money to you, if you will tell me what other enfo you have, and now much money to send I've send some in two on four wolks (next two paydays). Also, in my initial phone contact with lave Nutting associates some mention were made of the senable assistability of this sets -reference the Communal Lerican Bell Accade who you have in info or ideas on that ? also multioned was logic liaground order schematics of the committeed version. Those would be deficill in exporting the account to lok screen, can with 4 times the resolution

we have now. My immediate plans are for a microprocessor-controlled byfound-try adapter, 4 K static USER, Ahm and 12 K were dynamic film for a total of 16 K serven from. Any or all screen RAM can be used for pregram RAM of your grayram can aperate without display capability.

In line 30 the double genetes" "after the input command me there to cause "Q(B)" not to be printed after the ableson.
Line 140 can be left cert inmelite it is only in there so the 178 but 14th

Line 140 can be left cert completely, it is only in there so the 128 byte buffer well be filled with a known data pattern you can see - so you can see something being loaded after your program and know adan the load is finished.

Sony if this is too word, Ill love for new I started two the letter to you. The first want to five pages so I decided to ill write it she re-write went to severe pages and worst finished, so I put it eg. Maybe more later, Goodly's or vew

Magie more ain Joshye or ven

Licky & Broddom

Comments Total Line # Statement(s) 10 C/EAR 20@(0)=243; B=1 30 PRINT #1,16384+B,"= ",; iNP Put DI @ (0), B Points to next str bc. Print addr next byle goes in input it UŢ""@(β) 40 IF@(B) <256 B=B+1; Goto 30 check for stop inputting) it not get another 50 (B) = 118 if stop put HALT in last str Loc. 60 C=B C will terminate write PASS 90 INPUT "START RECORDER, WA Stall til recorder is started it 3 or 4 seconds, then ent er Any number and press go 100 : PRI NT. turn on take port StART WRITE PASS 110 FOR B=0 TO C transfer string to tape with 120 TV=@(B); FOR D=1 TO 8; NEXTD delay between bytes. 130 NexT B 140 FOR B=C TO 128; TV=118; FOR finish out 128 byte input buffer D=1 TO 8; NEXT D; NEXT B with HALT instructions. 1.50 : RETURN ; STOP turn off tape port and put up cursor to show we are finished. the DisAble Interrupts instruction FROM string location 0 15 At 16384 SAMPLE DATA: استفيدادادها when "16385 = "is printed on the 16385 RST 38 255 screen you enter the first byte of 163,86 SR#52 + Register load -----El registerinto Horiz Pos your program in decimal. Any entry L . 87. 0 Vert POS greater than 255, will cause A HALT 88 24 المعاصلينا جا instruction to be inserted in its place 89 coloR + Size 76 المعلمة المسالمة المسا AND AN exit to the "INPUT, W" STALL 8 Lo byte start Adal Points .... SO YOU CAN START the RECORDER. 64 H) hi byte startady) to. المطالب المسالب المسا Since interrupts are disabled, 92 65 ---by the 243 code @(o), the CPU will START Addr points to lane and and and halt forever when it encounters A , 94 1st character of text 67 لسلسلسا سلسا HALT instruction. the only thing that 95 to be displayed. 65 السلسانية بالسا will get control back is "RED Button 9 6. 68 المساحدات المسا Reset." You can Add 213 (Push DE) 97. 73 ----before the 255 And Add 209 (POP DE) 98 65 A ---and 201 (Return) at the STAR - 199 78 n لسلساساسا As long As you Adjust the "L" reg (16400) O + At least ONE Zero فسنت بالسلسة load to 11 - then control will 401 byte to tell SR to لبابنا return to BASIC -- And it will stop printing. write what? over your text. السلسا ساسا سا

ATTENTION: VIDEO CASSETTE RECORDER OWNERS

# Eliminate Commercials 4 1 Automatically



# "THE FOITOR

GUARANTEED TO ELIMINATE COLOR OR BLACK & WHITE COMMERCIALS AUTOMATICALLY!

Simply plug "THE EDITOR"® into your video cassette recorder and relax "THE EDITOR is at work for you, automatically putting your machine into pause mode during each commercial and each station break "THE EDITOR" kills over 95% of all commercials instantly, and takes but a few seconds to detect wanted programming and restart your tape SAVE MONEY TOO! A four hour cassette will hold more than five hours of programming without comercials. A protect circuit limits pause duration to protect your machine from head and tape

#### ORDER YOURS TODAY! 14 DAY MONEY BACK GUARANTEE!

★ One Year Limited Warranty ★

#### V.C.R. 1835 E. Chapman Ave., Orange, CA 92667

A Division of J. LAHM & Associates Inc.

Yes! I want "THE EDITOR"® Enclosed is my check for \$249 95 or □ VISA □ MASTER-\_\_\_ Expiration Date

CHARGE Account No ... My machine format is BETA DVHS

Name

Addross

State\_\_\_

Please allow four to six weeks for delivery



A Division of J Lahm and Associates Inc.

1841 E. CHAPMAN • ORANGE, CALIFORNIA 92667 • (714) 771-0140 (800) 854-3431

#### VIDEO RECORDERS - AN OVERVIEW - OR SHOULD I BUY ONE NOW?

While 75 million homes have television sets, only about one million are equipped with video recorders, VTR's (or VCR's if you like). Those homes that do have VTR's are finding that their TV viewing habits are changing drastically - and for the better.

As a VTR owner one can: (1) record a TV program and watch it at a later time; (2) watch one program and record another; (3) watch a movie of their choice in their own home at their convenience; and (4) watch their home movies and slides on their TV set. This is only the start. You can add a video camera and make your own home video movies. There's no developing and you can play them back immediately. Also, you can build your own library of feature movies by recording them from TV.

For those of you who are considering the purchase of a VTR we will try to answer some of your questions.

- Q. I understand there are two formats, which one should I buy?
- A. There are two popular formats or sizes of cassettes, BETA and VHS. Both utilize 1/2" tape and the quality of both is very good. A Beta machine cannot play a VHS cassette and vice-versa.

Sony manufacturers most of the Beta machines. They are sold by Pioneer, Sears, Toshiba, Zenith and, of course, Sony. Current machines have 3-hour capacity; machines on sale this fall will have 4+-hour capacity.

VHS stands for Video Home System. Almost all of these machines are made by Matsushita, another Japanese company. These machines are sold by Akai, Curtis Mathes, General Electric, Magnavox, Panasonic, Penneys, Quasar, RCA and Sylvania. Current machines have 4-hour capacity with still longer times to be offered this fall. Pre-recorded movies, blank tapes and accessories are readily available for both types of machines. This statement does not hold true for the other 'oddball' formats so I recommend that you consider only Beta or VHS.

- Q. If I wait a while ... will the prices come down?
- A. The answer to this is 'probably not'. Both VHS and Beta are now well established. The prices have not been coming down. In fact, some companies have raised their prices. VTR's are complex machines both mechanically and electronically. If prices drop within the next few years and I doubt that they will it would be only by 5 or 10 percent. This is not a calculator situation where prices have decreased drastically. If you are ready to enjoy the advantages of a VTR, there is no point in waiting.
- Q. How reliable are VTR's?
- A. They are very reliable and usually require maintenance only after 1000 to 1500 hours.
- Q. What features should I look for in the VTR I buy?
- A. Like automobiles or any other consumer product, VTR's are now being equipped with more and more 'bells and whistles.' Let's look at the more important

#### VIDEO EQUIPMENT - AN OVERVIEW (continued)

features that you should consider and separate the wheat from the bally-hoo:

RECORDING CAPACITY - Up to a point, longer recording capacity can be very important because it means lower tape costs and increased convenience. My feeling is that additional capacity, after about 4 hours doesn't really mean much. It doesn't make much sense to cut a TV show in two just to use up the end of a tape. Also, longer times are obtained by using slower speeds and/or thinner tapes. Both tend to sacrifice picture quality. I personally feel the present machines are quite adequate.

PROGRAMMABILITY - It is important that a machine can be set to turn on and turn off. All current machines do this. Some of the more expensive machines can be programmed for 7 days in advance and can be set to record 4 different channels sequentially. This is neat...but the question is one of whether this feature would be used, and is it worth the extra \$200 bucks.

 $\frac{\text{REMOTE PAUSE}}{\text{from across the room in your easy chair.}}$ 

 $\underline{\text{AUDIO DUB}}$  - With this feature, you can add or change the sound track. It is very nice when you want to add music or commentary to home movies.

FREEZE FRAME, SLOW MOTION - Many of the 1980 machines which are now appearing have these features. Again, they are nice, but after you amaze your friends, how much will they be used?

MEMORY - This is a system that lets you locate a particular point in a tape without running it back and forth innumerable times.

- O. How about the disc players?
- A. There is one video disc player (Discovison by Magnavox) on the market today. Many more are in the works. One big drawback of disc systems is that, like phonographs, they are play-only, they cannot be used for recording. Disc players will eventually be a big item and will take their place alongside VTR's. As is the case with audio, they will co-exist. It is expected that several more years will be required for the shake-out in this field to occur.
- O. Should I buy a used machine?
- A. A demo is OK if you know the dealer, but be very careful of buying a used machine from an individual. It may be obsolete or it may need extensive repair.

In summary, there is little to fear about buying a VTR. Determine the features you want, pick a reputable dealer and take the plunge. Sure, there will be new machines with new features coming along, but the machines that are available today will be around for a long time. Don't let the 'bells and whistles' confuse you. You can expect to get many years of entertainment from the unit you buy today.





1835 E. CHAPMAN • ORANGE, CALIFORNIA 92667 • (714) 771-0140 (800) 854-3431 ADDRESS CORRECTION REQUESTED

BULK RATE U.S. Postage Paid Orange, CA Permit No. 914



Out-Of-Town Edition December, 1979

#### HAPPY HOLIDAYS

All of us at VCR wish you and your family the happiest of holidays. We appreciate your patronage and value your friendship.

IN THIS ISSUE

. Holiday Shopper's Guide

. ABC Pokes Back

. Lots of New Titles

. Satellite News . New Newsletter Policy

. THE EDITOR - A Miracle Worker



#### WINTER PRUNING TIME

Because our mailing list has grown so fast and so large, we are forced to prune out those of you who don't buy or preview from us. We love you all but we don't want you to love us just for the Video Voice. This applies only to those of you who have been receiving it from us directly. If you have normally been getting the Video Voice through a local dealer, you will still be able to get your copies from him.

#### NEW TITLES

Last month we received a lot of complaints because we didn't list our new titles in the Video Voice. We used the back page (usually reserved for this purpose) to tell you all about our lower prices. Now we have a backlog of new titles and don't have room for all of them. You'll notice we have some exciting new additions from Paramount, as well as the long awaited Columbia titles.

#### ORDERING INFORMATION

We have hundreds of tapes, in all catagories, for preview (rental) or sale. We can arrange for UPS to deliver and pick up at your door. If you'd like ordering information and a list of these tapes, contact the dealer where you got this newsletter or call us directly on 800/854-3431.



#### HOLIDAY SHOPPERS GUIDE

Because the field of video is so dynamic and exciting it offers some real opportunities for gifts that are both meaningful and lasting. Prices range from only \$2.00 for a storage album to the ultimate... a video tape recorder or camera at over \$1000.00. Here are just a few ideas. Use this page as part of your shopping list.

Machine Covers - Dust is one of the greatest enemies of video recorders. We carry three different styles of covers. They all let you see the clock while the recorder is covered. Prices range from \$6.00 to \$17.50.

<u>Video Handbook</u> - The Video Handbook answers the most common questions about recording, camera techniques, editing, dubbing, and trouble shooting. The price is only \$8.95.

<u>Video Lights</u> - If you have a camera, perhaps you need lights. We have a quartz lighting kit (2 lights, stands, case, etc.) which can make shooting video movies a snap. The price is \$299.00.

Home Video Patch Bay - Perhaps we should rename this device "The Any Program Any Where Box". The HVPB lets you do more with your video system. It is particularly useful if you have pay TV or a remote TV in the bedroom or the den. Come in and see it demonstrated. The price is \$95.00.

<u>Wireless Remote Pause</u> - Have you ever tripped over your remote pause wire? This device, sometimes called a whistle switch, lets you control your remote pause from across the room...without wires. The price is \$45.00.

Adult Double Feature Collectors Special - We have a limited supply of the two adult classics Deep Throat and The Devil In Miss Jones, on one tape. Both of them are uncut and the price is only \$85.00.

#### Gift Certificates

If you can't decide on one of the items above, give a gift certificate. They are available in all denominations.

#### DISCOUNT COUPONS

These coupons are worth \$5.00 on the purchase of one (1) prerecorded video tape movie or on one preview transaction. You can buy as many as you like from one to 100. If you buy 10 or more we give you 10% off. Just think, ten \$5.00 coupons for only \$45.00. You may even want to buy some for yourself. They make great gifts.

#### SATELLITE NEWS

Radio Electronics magazine, in its 50th anniversary issue, offers another installment of Bob Cooper's continuing saga of backyard earth stations. It also includes an easy to understand report on digital VTR circuits. An historical section contains a fascinating review of how fast and how far electronics has come along in 5 decades.



#### "THE EDITOR" IS HERE - AND ITS 95% PERFECT

We've all been waiting for a device that will automatically cut out commercials when we're recording a show off the air. THE EDITOR will do just that. It will automatically put your VTR in "pause" - even on programs which are in color---just before commercials and station breaks. It then restarts your VTR approximately 30 seconds after the commercial is over. It's not perfect, but it's darn good! A protection circuit limits the pause duration to protect your machine from head and tape wear.

A four hour cassette will usually hold about 5 hours of programming without the commercials. That saves a lot of tape.

Because we want you to see for yourself how THE EDITOR works, we offer a 14-day moneyback guarantee. The price of this little miracle worker is \$250.

#### A TV SET THAT LISTENS

Sanyo has developed the world's first voice-controlled color TV receiver. The viewer can 'tell' the set to switch itself on or off, and turn the sound up or down, by speaking into a wireless microphone. A maximum of two people can register the control commands. It takes the receiver less than 1.8 seconds to recognize the command, and less than half a second to carry out the instructions. Up to thirty words can be memorized by the voice recognition unit which contains an eight-bit micro-processor. A structured vocabulary system performs the two-step recognition of the vocal commands. Plans for marketing the unit in the U.S. have not yet been formulated.

#### TV STATION CUTS COMMERCIALS TO COMPETE WITH PAY-TV

Under increased competition from Pay-TV outlets which run featured films uncut and uninterrupted by commercials, a number of convention-stations are cutting down on the number of commercials carried during their feature film telecasts.

In mid-October, KTLA, Channel 5 in Los Angeles, began presenting two-hour movies on weeknights, with only two commercial interruptions instead of nine, as in the past. The commercial reduction is a direct result of the success of a series of movies which ran on the station under the full sponsorship of IBM. Packaged under the title "Movies To Remember" these telecasts contained only a single commercial break, and had an average 75% increase in audience over KTLA's other 8 p.m. movies.

#### ABC POKES BACK

ABC-TV introduces a new bit of subtlety into its anti-pay TV campaign. The fine print in newspaper and TV magazine ads for network movie telecasts includes a line "Another Outstanding Movie On Free Television!" The propaganda device first turned up in ads for the "Annie Hall" telecast.



#### NEW TITLES

Breakout - Charles Bronson pulls out all the stops in this high-tension drama of an incredible-but-true prison break. (\$55.)

The Deep - Jacqueline Bisset, Nick Nolte and Robert Shaw star in this daring, underwater suspense film based on Peter ("Jaws") Benchley's best-seller. (\$55.)

Fun With Dick & Jane - George Segal and Jane Fonda star as two of the most comical burglars this side of Beverly Hills. (\$55.)

The New Centurions - Policeman-author, Joseph Wanbaugh's best selling novel about urban city crime is brilliantly brought to the screen by George C. Scott and Stacey Keach. (855.)

Shamus - Burt Reynolds pursues Dyan Cannon and a cache of diamonds in this action-packed, private-eye drama. (\$55.)

In Praise Of Older Women (R) - Karen Black, Tom Berenger, Susan Strasberg. This story is dedicated to older women and addressed to young men. Color. 108 min. (\$50.)

The Kinky Women Of Bourbon Street (XXX) - This is our newest foreign film. Four beautiful women live for the sexual experience and in the end they literally die of pleasure. An extremely erotic and exciting movie. Excellent direction and photography, with use of slow motion making this film a delight for the experienced adult viewer. Color. 90 min. (885.)

Emanuelle In Bangkok (X) - A beautiful female reporter is pursued through the Far East in a film full of intrigue and well-photographed love scenes. The quality of this movie is excellent. This is a refreshing change from the usual hard-core adult film. Color. 100 min. (\$85.)

<u>Legend Of Lady Blue</u> (XXX) - John Leslie, Maureen Spring, special guest appearance by Gloria Leonard. A movie for those who still remember the first time. This movie got an excellent review by Hustler magazine. They rate it as "a porn breakthrough." See it. Color. 102 min. (S85.)

<u>Anderson Tapes</u> - Sean Connery, Dyan Cannon and Martin Balsam star in this suspense-filled caper. (\$55.)

The Harder They Fall - Humphrey Bogart and Rod Steiger star in this Columbia Classic about corruption in the prize ring. (\$55.)

Here Comes Mr. Jordan - Robert Montgomery and Claude Rains are heavenly in this brilliant Columbia classic upon which Warren Beatty's "Heaven Can Wait" is based. (\$55.)

A Man For All Seasons - Paul Scofield, Robert Shaw and Orson Welles head an outstanding international cast in this spectacular dramatization of the conflict between Henry VIII and Sir Thomas More. (\$65.)

Mysterious Island - Michael Craig and Herbert Lom find fantastic adventure in this great Jules Verne story for the entire family. (\$65.)

Sinbad And The Eye Of The Tiger - Patrick Wayne and Jane Seymore in the most colorful and spectacular Sinbad movie ever made! (\$55.)

Taming Of The Shrew - Richard Burton and Elizabeth Taylor star in William Shakespeare's comic look at male chauvinism and women's lib. (\$65.)

You Light Up My Life - Didi Conn sings the song and Michael Zaslow tries to win her heart in this delightful contemporary love story. (\$55.)

BULK RATE U.S. Postage Paid Orange, CA Permit No. 914

VCR NEWSLETTER

Out-Of-Town Edition November, 1979

#### CELEBRATE OUR BIRTHDAY WITH LOWER PRICES

We opened our doors just one year ago this month and now we've expanded to our new larger store. To celebrate our birthday - and our new store opening - we've lowered our prices on movies and previews. See the back page for details.

#### IN THIS ISSUE

- . New Lower Prices
- . The Lawsuit Round One . Holiday Gift Ideas
- . Silverman Speaks

- . A Note on Quality . Holiday Schedule
- Teletext is Coming
- COME AND SEE US IN OUR NEW STORE

#### COME AND SEE US IN OUR NEW STORE

Our move to a larger store is now completed. We invite you to visit us, look around and have a cup of coffee. You are the reason we outgrew our original store and you helped to make us the leader in Orange County. We appreciate your support and we will be able to serve you even better in our new facility.

We now have room to display video equipment, furniture and accessories. Our new location is just 3 doors South (nearer Thrifty). Our new address is 1835 E. Chapman.

#### CBS CREATES HOME VIDEO DIVISION

CBS has reorganized its Records Group to create a New Ventures Division which will develop and market products using new technologies, particularly home video cassettes and discs. First titles are expected to be announced by year's end.

Among the first objectives is deciding which videodisc formats to commit to. CBS has long been contemplating how to enter the home video business.

#### ORDERING INFORMATION

We have hundreds of tapes, in all categories, for preview (rental) or sale. We can arrange for UPS to deliver and pick up at your door. If you'd like ordering information and a list of these tapes, contact the dealer where you got this newsletter or call us directly on 800/854-3431.

#### AND NEXT IS TELETEXT

In addition to regular and subscription TV, some viewers in selected test cities will be getting still more from their home video terminal. If you live in one of these cities and have a special hand held calculator-like device, you can use your TV screen to display such information as sports scores, local supermarket prices, detailed weather reports, theater reviews and starting times, and stock market information. This new system is generally known as TELETEXT.

The hand held device is the control used to select the information you wish to view.

Eventually this list will probably include most material that is now printed such as books, maps and magazines. It will undoubtedly change our newspapers and libraries as we know them today. Imagine laying in bed reading a bestseller from your TV screen. Each time you want to "turn a page" you just press a button on your control.

But, you say, I need a permanent copy (on paper) that I can keep. In this case, just press another button and the information from the TV screen will be printed on paper by a special print-out device.

The technology for all of this is here today. All that remains is for it to be made commercially feasible. This information-by-television, which is now being tested in the U.S., is already regularly offered in certain areas of England, Europe and Japan.

#### FOR SOMEONE WHO HAS EVERYTHING

We've been telling you about satellite receiving stations. Now you can buy an installation complete with remote controls and all the required accessories.

Neiman-Marcus offers them in their new Christmas catalog. If you hurry, you can be the first on your block to own this 15 foot diameter dish manufactured by Scientific Atlanta. Oh yes! The price is \$36,500.00.

#### PATCH BAYS ARE POPULAR

Last month we mentioned that the Home Video Patch Bay can solve a lot of connection problems and, more importantly, can let you do alot more with the equipment you have. Most of our customers who have purchased them say they are the slickest thing since sliced bread.

They are really a miniature video switch board and are especially useful to people who have Pay TV or 2 TV sets.

#### HOLIDAY SCHEDULE

We will be closed Thanksgiving Day, November 22, but will be open the following Friday and Saturday.

In December, we will extend our store hours till 9:00 p.m. daily.

#### MCA AND DISNEY vs. SONY - ROUND ONE

By now, most of you have heard that the U.S. District Court in Los Angeles has made a ruling in the case of MCA and Disney vs. Sony... in favor of Sony. Simply stated, they determined that it is legal to make a recording of free TV programs for personal non-commercial use. Of course, this is what we've all been doing right along so it is good to know it's legal.

A word of caution. This ruling applies only to free TV programs and not to copyrighted prerecorded tapes such as some of those that we sell and preview, or to pay TV programs. Another key phrase is "non-commercial use." It is still not legal to copy and sell these programs or to charge admission to see them.

Of course, this is just the first in a long series of court cases and appeals that will eventually end up defining how the exciting new video devices can be used.

#### GIFT CERTIFICATES

A gift certificate from VCR can save you lots of hassel and shopping time. Keep this in mind when you're making out your shopping list.

#### COLUMBIA TITLES

Many of you have been waiting for the exciting new titles from Columbia. The promised delivery dates we were given have come and gone. We are sorry about this, but we can only offer them to you when we get them. The latest promise date is "before Christmas."

## SILVERMAN SAYS NBC STAYING IN BROADCASTING, BUT "WELCOMES COMPETITION" OF NEW TECHNOLOGIES.

"We believe in broadcasting. I don't think it's at odds with any other technologies. We welcome the competition."

Those were answers by NBC President Fred Silverman to questions about videodiscs, home video recorders and cable TV -- plus possible defection of NBC affiliates as new satellite-fed programming becomes available. During a rare public appearance at the National Press Club in Washington last week, Silverman defended most of his networks programming decisions -- and cited the role of new technologies, which he called, "the advanced electronic tools of this and the next decade."

"The diversity of their service is to be welcomed, but the role of national TV will continue to be vital," Silverman said.

Striking a statesman-like pose before an audience of journalists, SIVverman said one of his objectives is to improve the network's news services: "not just more news, but more meaningful information."

#### LOWER MOVIE PRICES

Since we've lowered our procurement costs, we've lowered our prices to you on popular movies. Here are some examples:

Category	Price Code	Former Price	New Price
General	В	\$75.00	\$70.00
	Α	\$55.00	\$50.00
Adult	S	\$95.00	\$85.00*
	T	\$75.00	\$65.00*
	U	\$50.00	\$45.00*

Note: Debbie Does Dallas is now Price Code S.

\*Quantity discounts apply to these prices for even further savings.

#### LOWER UPS PREVIEW CHARGES

We have now lowered the charge for previewing (renting) adult movies. The 2-day charge is now \$18.00 for one movie \$30.00 for two movies, etc. As a result of this change, the charge for previewing all feature movies is the same. Sunday's and holidays are free and do not count as a rental day.

Of course the preview charge for a movie applies toward the purchase of that movie -- providing the purchase is made at the end of the preview period.

#### A NOTE ON QUALITY

There are many factors that contribute to the ultimate quality of a video cassette movie. (We are talking about technical quality - not the acting).

First of all, there is the source. At the present time almost all movies originate from film - some from 35mm and some from 16mm. Since all major studio features are shot on 35mm, they start out with higher quality than do their 16mm cousins. Another variable of course is the technical expertise of the studio itself.

From this point on, cassette quality depends on the duplicating equipment, the skill of the duplicating operator and the number of generations the cassette is removed from the original film. (Some are copies of copies, etc.) It is here that we work hard to beat our competition. If at all possible, the tapes we get will be first generation, i.e., made directly from the film on the finest of equipment. Many dealers buy and sell second, third and even fourth generation copies.